Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Luminescence 111 (2005) 385–386
JOURNAL OF LUMINESCENCE
www.elsevier.com/locate/jlumin

Subject Index

Ab-initio methods 81
Amorphous 205
Amplified spontaneous emission 285

Band gap 89

Cayley tree 343
CdSe/CdS (core–shell) quantum dots 215
Charge transfer 89
Charge transfer states 69
Charge-transfer transition 9
Conjugated fluorescence and absorption spectra 37
Contrast variation 225
CRYSTAL98 205

Dendrimeric amplifiers 315
Dendrimeric antennae 315
Dendrimers 215, 225, 265, 285, 307, 327, 335, 343, 349, 367
Dendrons 215
Diode pumping 1
Drug platform 315
Dynamics 327

Electron spin resonance (ESR) 113
Energy transfer 199, 239, 327, 349
Energy transfer process 255
Energy transport 359
EPR 69
Europium III 159
Exciton annihilation 343
Excitons 69, 359

First passage time 315
Fluorescence 239, 265
Fluorescence spectroscopy 121

Guest–host systems 335

Harmonic light scattering 307
High optical-gain 285
Hyperbranched macromolecules 327
Hyperpolarizability 307

Intramolecular interactions 37
Irradiation 47

Judd–Ofelt theory 25

Kinetic models 167
Kinetics 335

Lanthanide cation 265
Lanthanide complexes 199
Laser material 25
Laser spectrum 285
Laser-dye 285
Light harvesting 315
Light-emitting diodes 199
Luminescence 47, 131, 147, 159, 265
Luminescent-kinetic parameters 47

Master equation 359
Metal complexes 307
Mirrorless-laser 285
Molecular dynamics 335
Molecular electronics 121
Molecular sensor 121
Multiphonon 131

Nanostar 359
Nonlinear optics 17, 307

Optical absorption 367
Optical amplification 255
Optical excitations 349
Organic synthesis 239

PAMAM 215
Perturbed exciton 9
Phosphors 147
Photo-induced electron transfer 121
Photoluminescence 69, 105, 167, 205
Photosensitized luminescence 183
PZT 205

Quantum chemistry 335
Quantum dots 17

Radial structure 225
Random walks 327
Reaction–diffusion systems 343
Relaxation 69, 359

doi: 10.1016/S0022-2313(05)00020-7

SANS 225
Scaling 327
Self-organization 307
Semiempirical methods 81
SHG 17
Single-molecule spectroscopy 239
Solid-state NMR 225
Sol–gel 159
Sparkle model 81
Stepwise up-conversion 1

Ternary compounds 147
Ternary semiconductors 167
Thermalization 131
Thermoionization 47
Thermoluminescence (TL) 113
Thermostability 183
Time-resolved luminescence 105
Time-resolved spectroscopy 9
Tl^+ emission 9
Transition metal switches 121
Triplet state 255

Upconversion 191

Vibrational analysis 37
Visible-to-near-IR luminescence 1

White LED 139

YAG 159, 191
YAM 159
Yb–Ho silica fibers 1

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Journal of Luminescence 111 (2005) 387
JOURNAL OF LUMINESCENCE
www.elsevier.com/locate/jlumin

Materials Index

β-tricalcium phosphate (β-TCP) 113

$CaTiO_3:Pr^{3+}$ 69
Cesium cadmium bromide 131

Dendrimers 239, 359
Dysprosium 113

Er^{3+}-luminescence 25
Erbium 191
Erbium(III)-cored dendrimer complex 255
Eu^{2+} 147
Eu^{3+} 89
Europium III 159
Europium (III) complexes 81
Europium ion Sulfide Phosphor 139

Free and localized excitons 47

Glasses 47
Gold nanocrystals 215

Hydrogen atom 113
Hydroxytriazene 121

Lanthanide complexes 199

Metalloporphyrins 255

Nanocrystals 17, 47, 105
Nanoparticles 17

Phosphors 113, 147
Photonic polymer materials 265
Poly(amidoamine) 215
Polynuclear Eu(III) complex 183
Praseodymium 131
PZT 205

Sol–Gel 105

Yb–Ho silica fibers 1

doi: 10.1016/S0022-2313(05)00022-0